

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	158	vcsl and transceiver and reference and bias and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 12:15
L2	71	vcsl and transceiver and (bias with control\$4) and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 12:21
L3	64	vcsl and transceiver and (bias with control\$4) and switch and characteristic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:07
L4	0	3 and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 12:25
L5	256	vcsl and transceiver and (operating or reference with characteristic) and (laser with driver or diode) and compare\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:14
L6	0	(vcsl and transceiver and (operating or reference with characteristic) and (laser with driver or diode) and compare\$4).CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:09
L7	497	vcsl and transceiver and (operating or reference with characteristic with compare\$4) and (laser with driver or diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:16
L8	3	(vcsl and transceiver and (operating or reference with characteristic with compare\$4) and (laser with driver or diode)).CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:15

## EAST Search History

L9	1	vcsl and transceiver and (operating with characteristic with compare\$4) and (laser with driver or diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:17
L10	8	vcsl and transceiver and (operating with characteristic) and (reference with characteristic) and (laser with driver or diode) and compare\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:52
L11	2	"6532245".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:27
L12	9	vcsl and transceiver and (operating with characteristic) and (reference with characteristic) and (laser with driver or diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:30
L13	4	vcsl and transceiver and (operating with characteristic) and (reference with characteristic) and (laser with driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:31
L14	14	vcsl and transceiver and (operating with characteristic) and (reference with characteristic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:32
L15	2	"5019769".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:32
L16	3	372/29.021.ccls. and vcsl and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:48

## EAST Search History

L17	1	372/31.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:51
L18	4	398/135.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:51
L19	2	398/182.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:51
L20	0	398/186.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:51
L21	3	vcsel and transceiver and (operating with characteristic) and (reference with characteristic) and (laser with driver) and (laser with diode) and compare\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:54
L22	0	(vcsel and transceiver and (operating with characteristic) and (reference with characteristic) and (laser with driver) and (laser with diode) and compare\$4).CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 14:10
L23	3	(vcsel and transceiver and (operating with characteristic) and (reference with characteristic) and (laser with driver) and (laser with diode) and compare\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 14:10
S1	1	702/120.ccls. and (laser near diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 11:57

## EAST Search History

S2	10	702/120.ccls. and transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 11:03
S3	15	(electrostatic near discharge near damage) and photodiode and laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 11:26
S5	2	(electrostatic near discharge near damage) and vcsel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 11:27
S6	0	372/38.1.ccls. and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 11:31
S7	137	372/38.1.ccls. and diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 11:36
S8	16	372/38.1.ccls. and diode and (screening or testing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 11:38
S9	2	372/38.1.ccls. and diode and screening	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 11:38
S10	18	372/50.ccls. and diode and screening	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 12:46

## EAST Search History

S11	258	(esd near test)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 12:46
S12	5	S11 and diode and laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 12:49
S13	146	S11 and diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 12:58
S14	411	switch and (laser near diode) and transceiver and pins	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 12:58
S15	13	S14 and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 13:46
S16	0	(test near vcsel) and (planar near laser) and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 13:47
S17	0	(test near vcsel) and (planar near laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 13:47
S18	307	test and vcsel and planar and laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 13:48

## EAST Search History

S19	1	S18 and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 13:47
S20	61	S18 and transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:04
S21	5390	vc sel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:05
S22	17	S21 and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:05
S23	780	S21 and transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:06
S24	533	S23 and diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:06
S25	222	S24 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:45
S27	0	(transceiver near module) and (laser near diode) and switch and (test near pins)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:46

## EAST Search History

S28	429	(transceiver near module) and (laser near diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:52
S29	201	S28 and pins	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 15:46
S30	112	S28 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 16:16
S31	2879	switch and (laser adj diode) and pins	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 16:17
S32	58	S31 and (transceiver adj module)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 17:20
S33	7	VCSEL near transceiver near module	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 16:20
S34	509	vcSEL and transceiver and module	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:42
S35	122	S34 and switch and pins	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:43

## EAST Search History

S36	5	S34 and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:45
S38	2	257/688.ccls. and vcsel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:49
S39	167	385/92.ccls. and vcsel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:51
S40	0	S39 and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:49
S41	84	385/93.ccls. and vcsel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:52
S42	1	"385"/\$.ccls. and vcsel and esd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:29
S44	165	vcsel and transceiver and module and diode and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 10:12
S45	0	transceiver and (switch near coupled near laser near diode) and (test near pins)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 09:14



## EAST Search History

S46	0	transceiver and (switch near coupled near laser near diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 09:14
S47	23	transceiver and (switch with coupled with laser with diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 10:19
S48	27	transceiver and (laser adj drive) and (laser adj diode) and pins and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 10:28
S49	77	transceiver and (laser adj drive) and (laser adj diode) and input and output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 10:34
S50	4	transceiver and vcsel and (laser adj drive) and (laser adj diode) and input and output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 11:14
S51	5	vcsel and (laser adj drive) and (laser adj diode) and transceivers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 12:03
S52	2	"6181191".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 12:04
S53	2	"6532245".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 12:24

## EAST Search History

S54	2	"5019769".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 15:55
S55	2	"5625480".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 12:31
S56	2	"5521736".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:36
S57	48	372/38.02.ccls. and transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:16
S58	4332	transceiver and discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:36
S59	138	S58 and (laser adj diode) and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:37
S60	8	S58 and (laser adj diode) and switch and vcsel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:37
S61	91777	kimura.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:16

## EAST Search History

S62	825	S61 and hideaki	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:16
S63	0	S62 and transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:16
S64	8	S62 and diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:18
S65	50	S62 and discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:19
S66	70	transceiver and pogo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/24 10:38
S67	2	"5019769".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:45
S68	7	transceiver\$4 and (laser adj diode) and switch\$4 and (test adj pin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:33
S69	1961	transceiver\$4 and (laser adj diode) and control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:34

## EAST Search History

S70	827	transceiver\$4 and (laser adj diode) and control\$4 and pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:34
S71	511	transceiver\$4 and (laser adj diode) and control\$4 and pin and switch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:35
S72	28	transceiver\$4 and (semiconductor adj laser adj diode) and control\$4 and pin and switch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 17:27
S73	1	702/120.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:43
S74	101	372/38.1.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:43
S75	14	372/50.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:44
S76	217	372/31.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:44
S77	3	257/688.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:44

## EAST Search History

S78	536	385/92.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:44
S79	282	385/93.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 14:08
S80	63	"5019769".uref.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 13:45
S81	98	398/135.ccls. and (laser adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 14:08
S82	1176	transceiver\$4 and (laser adj diode) and control\$4 and switch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/22 17:28
S83	7	transceiver\$4 and (laser adj diode) and control\$4 and switch\$4 and (test adj pin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 08:56
S85	2	"20050031352"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 10:12
S86	469	switch and (laser near diode) and transceiver and pins	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 10:28

## EAST Search History

S87	2	"6802654".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 15:55
S88	1	702/120.ccls. and (laser with diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 11:30
S89	507	"702"/\$.ccls. and (laser with diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 17:05
S90	32	"702"/\$.ccls. and (laser with diode) and (laser with driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 09:36
S92	144	372/38.1.ccls. and (laser with diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 11:52
S94	3	372/38.1.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 11:53
S95	1	372/38.02.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 11:55
S96	0	372/50.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 11:55

## EAST Search History

S97	81	"372"/\$.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:04
S98	0	257/688.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:05
S99	125	"257"/\$.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:06
S10 0	16	385/92.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:07
S10 1	12	385/93.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:07
S10 2	119	"385"/\$.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:10
S10 3	0	398/135.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:11
S10 4	15	"398"/\$.ccls. and (laser with diode) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:11

## EAST Search History

S10 5	232	(laser with diode) and (laser with drive) and screening\$4 and reference\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:12
S10 6	123	(laser with diode) and (laser with drive) and screening\$4 and reference\$4 and coefficient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:22
S10 7	0	(laser with diode) and (laser with drive) and screening\$4 and coefficient and (electrostatic with damage\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:38
S10 8	0	(laser with diode) and (laser with drive) and screening\$4 and (electrostatic with damage\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:38
S10 9	17	(laser with diode) and (laser with drive) and screening\$4 and electrostatic and coefficient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:45
S11 0	520	(laser with diode) and (laser with drive) and (optical\$3 with transceiver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:46
S11 1	3	(laser with diode) and (laser with drive) and (optical\$3 with transceiver) and screening\$4 and coefficient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:47
S11 2	5	(laser with diode) and (laser with drive) and (optical\$3 with transceiver) and screening\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 12:48



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S11 3	72	(laser with diode) and (laser with drive) and (optical\$3 with transceiver) and coefficient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:43
S11 4	1	"6055252".PN.	USPAT; USOCR	OR	OFF	2006/07/21 13:40
S11 5	1	"5986687".PN.	USPAT; USOCR	OR	OFF	2006/07/21 13:40
S11 6	1	"4837428".PN.	USPAT; USOCR	OR	OFF	2006/07/21 13:40
S11 7	1	"4757508".PN.	USPAT; USOCR	OR	OFF	2006/07/21 13:40
S11 8	2	"5602665".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:40
S11 9	3	"6496525".uref.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:21
S12 0	0	"6055252".PN. and spline	USPAT; USOCR	OR	OFF	2006/07/21 15:31
S12 1	0	"5986687".PN. and spline	USPAT; USOCR	OR	OFF	2006/07/21 13:40
S12 2	0	"4837428".PN. and spline	USPAT; USOCR	OR	OFF	2006/07/21 13:40
S12 3	0	"4757508".PN. and spline	USPAT; USOCR	OR	OFF	2006/07/21 13:40
S12 4	0	"5602665".pn. and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:41
S12 5	0	"6195371".pn. and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:42

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S12 6	0	"6836493".pn. and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:42
S12 7	0	"6678290".pn. and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:42
S12 8	0	(laser with diode) and (laser with drive) and (optical\$3 with transceiver) and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:43
S12 9	0	(laser with diode) and (laser with drive) and transceiver and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:43
S13 0	325	transceiver and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:43
S13 1	42	transceiver and spline and laser and diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 13:44
S13 2	1	"6055252".PN.	USPAT; USOCR	OR	OFF	2006/07/21 15:34
S13 3	1	"5019769".pn.	USPAT; USOCR	OR	OFF	2006/07/21 16:46
S13 9	0	702/120.ccls. and (laser with diode) and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 11:01

## EAST Search History

S14 0	80	"702"/\$.ccls. and (laser with diode) and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 12:00
S14 1	0	702/120.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 12:02
S14 2	46	"702"/\$.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 12:10
S14 3	47	372/38.1.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 13:27
S14 4	1	372/38.1.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and (cubic or quadratic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 13:11
S14 5	246	372/38.02.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 13:28
S14 6	153	372/38.02.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 15:58
S14 7	5	372/38.02.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias and (cubic or quadratic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 13:28

## EAST Search History

S14.8	26	372/29.015.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 16:07
S149	565	"372"/\$.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 16:08
S150	28	"372"/\$.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias and (cubic or quadratic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 16:12
S151	0	257/688.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 16:13
S152	44	398/135.ccls. and (laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 16:18
S153	145	(laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias and (cubic or quadratic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:51
S154	903	finisar.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 16:23
S155	222	S154 and laser with diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 16:23

## EAST Search History

S15 7	11	(laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias and (cubic or quadratic) and (oxide with laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:52
S15 8	61	(laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias and (oxide with laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:07
S15 9	63	(laser with diode) and (laser with drive) and compar\$4 and reference\$4 and bias and (cubic or quadratic) and oxide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 12:51
S16 2	0	702/120.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:08
S16 3	1	"702"/\$.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:08
S16 4	1	372/38.1.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:09
S16 5	0	372/38.2.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:09
S16 6	14	372/50.1.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:13

## EAST Search History

S16 7	122	"372"/\$.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:20
S16 8	3	372/29.021.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:20
S16 9	0	257/688.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:20
S17 0	60	"257"/\$.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:21
S17 1	3	385/92.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:22
S17 2	3	385/93.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 13:48
S17 3	42	"385"/\$.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:22
S17 4	4	398/135.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:23

## EAST Search History

S17 5	22	"398"/\$.ccls. and vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:28
S17 6	366	vcsel and (operating\$4 with characteristic) and reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:28
S17 7	255	S176 and current and voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:29
S17 8	144	S177 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 22:29